| POSITION                  | INITIALS | ID NO.   | DATE    |
|---------------------------|----------|--|---------|
| FEE DETERMINATION         | TD.      |  | 3-8.00  |
| O.I.P.E. CLASSIFIER       |          | 5  | 3-13-00 |
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## **INDEX OF CLAIMS**

| ~ | Rejected                   | N   | Non-elected  |
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| = | Allowed                    | 1   | Interference |
| _ | (Through numeral) Canceled | . А | Appeal       |
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| Chrough numeral).   Canceled   A  |          | ٠.,           |     |                             | -                           |            |  |                  |  |               |              |                |               |          |          |  |          | ,<br>A    |               |                 |                | •••••• |               |                |                | IILE     |          |          |          |          |           |          |               |
|---|----------|---------------|-----|-----------------------------|-----------------------------|------------|--|------------------|--|---------------|--------------|----------------|---------------|----------|----------|--|----------|-----------|---------------|-----------------|----------------|--------|---------------|----------------|----------------|----------|----------|----------|----------|----------|-----------|----------|---------------|
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| Date   | -\$      |               | ٠.  |                             | ·                           |            | ÷  | •••••            | •••••                                  | •••••         | •••••        | ا              | rest          | iciet    | J        |  |          | U         | •••••         | •••••           |                | •••••• | •••••         | . Ubje         | ctea           |          |          |          |          |          |           |          |               |
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| 10  |          | Ġ.            | iim |                             |                             |            | Date   | te               |  |               | Cla          | aim            |               |          | Date     |  |          |           |               |                 |                | Cla    | im            |                |                |          | Da       | te       |          |          |           |          |               |
| 10  |          |               | 7   | 8                           | 30.5                        | 0 4        | -  |                  |  |               |              |                | _             |          |          |  |          |           |               |                 | T              | 7      |               | =              | T              |          |          | Г        | -        |          |           |          | Г             |
| 10  |          | -B            | Ë   |                             | 3 3                         | \$ 5       | 1  |                  |  |               |              | - <del>-</del> | Ë             |          |          |  |          |           |               |                 | 1              | 1      | <sub>=</sub>  | ١٤             |                |          |          |          |          |          |           |          |               |
| 10  |          | 문             | ē   | 3                           |                             | \$  \$     | 1  |                  | -                                      |               |              | i.E            | 5             |          |          |  |          | ļ         | - [           | ŀ               |                |        | Ē             | ă              |                |          |          |          |          |          |           |          | 1             |
| 1   |          |               |     | <b>N.</b> Z                 |                             |            | 1  |                  | 1                                      | Н             | $\vdash$     |                | 51            |          | +        | Н  |          | _         | 一十            | ╅               | +              | 1 .    |               |                | +              | _        |          | $\vdash$ |          |          | $\vdash$  | -        | -             |
| 1   3   7   7   7   7   100 | ٠.,      | 4             |     |                             | 7                           | ///        | +  | $\dashv$         |  | Н             |              | -              |               |          | +-       | Н  | -        |           | $\dashv$      | +               | +              | 1      | -             |                | +              |          | _        | -        | ┢╌       | $\vdash$ | -         |          | ├─            |
|   |          |               |     | V                           | 4/                          | 7          |  | +                | +-                                     | Н             | $\dashv$     | -              |               | -        | +        | Н  | $\dashv$ |           | +             | -+              |                | -      |               |                | +              |          | Н        | ⊢        | -        |          | $\vdash$  |          | ├             |
| S   | ٠        | _ :           | -   |                             | <u> </u>                    | <b>/</b> Y | $\vdash$   | -                | +                                      | Н             | -            |                | L             |          |          | $\vdash$   | $\dashv$ |           | +             | +               |                | 4      | _             |                | —              |          |          |          | _        |          | Ш         |          | <u> </u>      |
| 6   | -        | -             |     |                             | ~  ~                        | Υ,         | $\vdash$   | -                |  | -             |              | -              |               |          | +-       | $\vdash$   | $\vdash$ |           | -             | +               |                | 4      | -             |                | 1              |          |          | _        | <u> </u> |          | ш         | _        | ļ             |
|   |          | Н             |     |                             | 714                         | V,         |  | -                | <del> </del>                           | $\vdash$      | _            | -              |               | -        | ┼        | $\sqcup$   | $\dashv$ |           | -             | +               |                |        | -             | $\rightarrow$  | 1-1            |          |          |          |          | L.       | Ш         |          | _             |
| 8   |          | لـنــا        |     | 13                          | <b>;;;</b>                  | Ψ,         |  | $\perp$          | ↓_                                     | $\sqcup$      |              | -              |               |          | +-       | - 1  | _        |           |               | 4               |                | 1      | _             |                | $\perp$        |          |          |          |          |          |           |          |               |
| 0   |          |               |     | <u> </u>                    | <u> </u>                    | V          | $\sqcup$   | _ _              | 1_                                     |               |              |                |               | -4-      | ـــــ    | Ш  | _        | _         | _ .           | 4               |                | 1      | _             | _              | $\bot$         |          |          |          |          |          | Ш         |          |               |
| 10  |          | Ш             |     | 1                           | <b>7</b>   <b>V</b>         | V,         |  |                  | 4                                      | Ш             | _            |                | -             |          |          | Ш  | _        | _         | _             | ┙               |                |        |               | 108            |                |          |          |          |          |          |           |          |               |
| 11  |          | Ш             | 9   | $\square$                   | /  v                        | V          |  |                  |  |               |              |                | 59            | $\perp$  | $\perp$  | Ш  |          |           | $\perp$       | $\perp$         | $\perp$        |        |               |                |                | i        |          |          |          |          |           |          |               |
| 12  |          | Ŀ             | _   | 4                           | J v                         | <u> </u>   |  |                  | 1_                                     | Ш             |              |                |               |          |          |  |          |           |               | $\perp$         |                | J      |               | 110            |                |          |          |          |          |          |           |          |               |
| 13  | •        | _4            | 11  | $\Delta l$                  | <u>يا ال</u>                | 1          |  |                  | 1                                      |               |              |                | 61            |          |          |  |          |           |               | Ţ               | 7              | ] [    |               | 111            |                |          |          |          |          |          |           |          |               |
| 14  | `        |               | 12  | 1                           | ノレ                          | 1          |  |                  |  | П             |              |                | 62            |          | Τ        |  |          | П         |               | T               | Т              | ] [    |               | 112            | $\Box$         |          |          |          |          |          |           |          |               |
| 15  |          | $\Box$        | 13  | 5                           | IJ,                         | 7          |  |                  | 1                                      |               |              |                | 63            |          |          |  |          | $\neg$    |               |                 |                | 1 .    |               | 113            | $\Box$         |          |          |          |          |          | $\neg$    | ヿ        | П             |
| 15  |          | П             | 14  | 7                           | 7, 1                        | 7          |  |                  | $\top$                                 |               |              |                | 64            |          |          |  | 7        |           | 1             | T               | 1              | 1 1    |               | 114            | $\Box$         | コ        | $\neg$   |          |          |          | $\neg$    | -        |               |
| 17  | 7        | П             | 15  | ゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙ | / 1.7                       | イブ         | $\Box$   |                  | 1                                      |               | $\neg$       |                | 65            |          | $\top$   | $\neg$   | $\neg$   | $\exists$ | _             | +               |                | 1      |               | -              |                | _        |          |          |          |          |           | $\dashv$ |               |
| 17  | <i>"</i> | П             | 16  | 1                           | /\\\                        | 17         | $\Box$   | $\top$           | 1                                      | Н             | $\neg$       |                | 66            | $\top$   | $\top$   | $\exists$  | 7        |           | 7             | +               | 1              | 1      |               |                | 1 1            | 一        | $\dashv$ | _        |          | $\dashv$ | $\dashv$  | - 1      |               |
| 18  |          | Ħ             | 17  | ١,                          | <i>1</i> .17                | 1.7        | $\vdash$   | +                |  |               |              | $\vdash$       |               | +        | †        | $\dashv$   | _        | +         |               | +               |                | 1 1    | $\rightarrow$ | _              | +              |          | -        |          |          | _        | -         |          |               |
| 19  |          | 1             | _   | <b>.</b> .                  | JĽ.                         | オブ         | $\vdash$   | $\dashv$         | +                                      | H             | -            | $\vdash$       |               | +        | +        | $\vdash$   | $\dashv$ | $\dashv$  | _             | +               | -              | 1 1    | $\rightarrow$ | _              | +              |          |          | $\dashv$ | $\vdash$ | -        | $\dashv$  | $\dashv$ | -             |
| 20  |          |               | _   | ٠,                          | $\mathcal{L}_{\mathcal{L}}$ | ۲,         | $\vdash$   | +                | +-                                     | H             | $\dashv$     | -              | $\overline{}$ |          | +        |  | $\dashv$ | $\dashv$  | +             | +               | +              | 1 }    |               |                | -              | $\dashv$ |          |          | $\dashv$ | $\dashv$ | $\dashv$  | -        | -             |
| 21  |          | -             |     |                             | <del>7 </del> *             | ν,         | $\vdash$   | ╁                | +                                      | H             | $\dashv$     | -              | $\overline{}$ |          | +        | $\dashv$   | -        | -         | +             | +               | +-             | 1 }    |               |                | $\vdash$       | -        |          |          | $\dashv$ |          | $\dashv$  | $\dashv$ | -             |
| 122   |          |               |     | ~                           | 1                           | /          | $\vdash$   |                  | <del> </del>                           | Н             | _            | _              |               | 4        | -        | _  | _        | _         | _             | $\perp$         |                |        | _             |                |                |          |          |          |          | _        |           | _        | _             |
| 73  |          |               |     | V)                          | <b>4</b>   •                | <u>, v</u> | 1  | - -              | 1                                      | Ш             | _            | 1              |               |          | _        | _  |          | 4         |               | 4               | 4_             | 1 1    |               |                | $\sqcup$       | _        | _        | _        | _        |          | _         | _        |               |
| 24     74     124     125     125     125     125     125     125     125     126     126     127     127     127     127     127     127     127     127     127     127     127     127     128     128     128     128     129   | - 3      |               |     | $\mathcal{Y}$               | ·/V                         |            |  | _                | ــــــــــــــــــــــــــــــــــــــ |               | 4            |                |               |          | 1        |  |          |           |               | _               |                | 1 1    |               |                | Ш              |          | _        |          |          | _        | _         | _        |               |
| 25     .     75     125     126       27     .     77     128     127     128     127     128     128     128     129     128     129     129     129     130     130     130     130     131     131     131     131     131     131     131     131     132     132     132     132     132     133     133     133     133     133     134     134     134     134     134     134     135     135     135     135     135     136     136     136     137     137     137     137     137     137     137     138     138     138     138     138     138     139     140     141     141     141     141     141     141     141     141     141     141     141     142     143     143     143     143     143     144     144     144     144     144     144     144     144   | 4        |               | ĺ   | M)                          | <u> </u>                    | V          |  | _ _              | 1                                      | Ш             |              |                |               |          | _        |  | _        | _         |               |                 |                | 1 1    |               |                | Ш              |          | _        |          |          |          |           |          | $\Box$        |
| 26   76   126   127   128   127   128   127   128   128   128   129   129   129   129   129   130   130   131   130   131   131   131   131   131   131   133   133   133   133   133   133   133   133   134   134   134   134   134   134   134   134   134   134   134   134   134   134   136   135   136   136   136   136   136   136   137   137   137   137   137   137   137   138   138   138   138   138   138   139   139   140   141   |          | -             | _   | $\Box$                      |                             |            |  | $\perp$          |  |               |              |                |               |          |          |  |          |           |               | ┸               |                | ] [    |               | 124            |                |          |          |          |          |          |           |          |               |
| 27  |          |               | _   |                             | Ŀ                           | 1          | $\perp \perp$                                    |                  |  |               |              | •              |               |          |          |  |          |           |               |                 |                |        |               | 125            |                |          |          |          |          |          |           |          |               |
| 28   78   128   128   129   129   129   129   129   130   130   131   131   131   131   131   131   131   132   132   132   133   133   133   133   133   133   133   134   134   134   134   134   134   134   134   134   134   134   134   134   134   134   134   135   136   136   136   136   136   136   136   136   136   136   136   136   137   137   137   137   137   137   138   138   138   138   138   138   138   139   139   139   140   140   140   141   142   142   142   143   143   143   144   144   144   144   144   144   144   144   144   144   144   144   145   145   146   147   148   148   148   148   148   148   148   148   |          |               |     |                             |                             |            |  |                  |  |               |              |                | 76            |          |          |  |          | T         |               | T               |                | ] [    |               | 26             |                |          |          |          |          |          |           |          |               |
| 28   78   128     29   80   129     30   80   130     31   81   131     32   82   132     33   83   133     34   84   134     35   85   135     36   86   136     37   87   137     38   88   138     39   99   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     44   94   144     45   95   145     46   96   146     47   97   148     49   99   148   |          |               |     |                             |                             |            |  |                  |  |               |              |                | 77            |          |          |  |          | П         |               |                 |                | 1 1    |               | 127            |                |          |          |          |          |          |           |          |               |
| 30  | .        | П             | 28  |                             |                             |            |  |                  | 1                                      |               | $\neg$       |                | 78            | 7        | $\top$   | $\neg$   | $\neg$   | 寸         |               | $\top$          |                | 1      |               |                |                | $\neg$   |          | _        |          |          | $\neg$    | _        | $\overline{}$ |
| 31  | !        |               | 29  |                             |                             |            |  | $\top$           | 1                                      |               |              |                | 79            |          |          |  |          |           |               | $\top$          |                | 1 1    |               | 29             | $\Box$         |          | İ        |          |          |          | $\neg$    |          | Г             |
| 31  | , ;      | П             | 30  | $\neg$                      |                             | $\top$     |  |                  |  | П             |              |                | 80            | _        |          |  |          |           | $\top$        | T               |                | 1      |               | 130            | +              |          | $\neg$   |          |          |          | $\exists$ |          | $\overline{}$ |
| 32  |          | $\Box$        | 31  |                             | $\top$                      | 1          |  | _                |  | $\Box$        |              |                |               | +        | †        | Ħ  | 寸        |           | 一十            | 十               | $\vdash$       | 1      |               | _              | 1 1            |          | i        |          |          |          | $\exists$ | 7        | Γ-            |
| 33   34   133   134   134   134   134   134   134   134   134   134   135   135   135   135   136   136   137   137   137   137   137   138   138   138   138   138   138   138   138   138   138   138   138   139   143   139   144   141   141   141   141   141   142   143   144   142   143   144   143   144   143   144   145   146   147   146   148   148   148   148   148   148   148   148   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   |          | М             | 32  | T t                         | -                           | 1-         |  | +                |  |               | _            | -              |               | $\dashv$ | 1        | $\forall$  | _        | $\dashv$  | +             | +               | +              | 1 1    |               |                | +1             |          | $\dashv$ |          | -        |          | $\dashv$  | -        | _             |
| 34   84   134     35   85   135     36   86   136     37   87   137     38   88   138     39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   99   148     49   99   1149  |          | H             |     |                             | $\dashv$                    | +          |  | +                | +                                      | H             | $\dashv$     | -              |               | +-       | +        |  | -        | -+        | -             |                 |                | 1 1    | -             |                | +              |          | -        | -        |          | $\dashv$ | -         | $\dashv$ | ⊢             |
| 35  |          |               |     | -t                          | +                           | +-         |  | +-               | +-                                     | $\vdash$      | -            | -              |               | +        | +-       | Н  | -        | $\dashv$  | -+            |                 | +              | 1      | _             |                | $\vdash$       | -        | $\dashv$ | _        | -        | -        | $\vdash$  | -        | <del> </del>  |
| 36  |          |               | _   |                             | $\dashv$                    | ╁          |  | +                | +                                      | $\vdash$      |              | -              |               |          | +        | Н  | -        | -         | -+            | +               | +-             | 1 1    |               |                | -              | -        |          |          |          |          | Н         | $\dashv$ | -             |
| 37  |          |               |     | $\dashv$                    | +                           | +-         | $\vdash$   |                  | +-                                     | -             |              | -              |               | +-       | +        | $\vdash$   | -        |           | $\rightarrow$ | +               | +              | ┨      |               |                | $\vdash$       | -        |          |          | -        |          | $\vdash$  | -        | ⊢             |
| 38   88   138     39   90   140     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   99   148     49   99   149   |          |               |     |                             | +                           | +-         | $\vdash$   |                  | +-                                     | -             |              | -              | -             |          | +-       | $\vdash$   | $\dashv$ | $\dashv$  |               | +               |                | -      |               |                | $\vdash$       |          |          |          | -        | -        | $\vdash$  |          | -             |
| 39  |          |               |     | -+                          | +                           | ┪—         |  | +                | <del> </del>                           |               |              | -              |               |          |          |  |          |           | -             | +               | —              | -      | _             |                | $\sqcup$       |          | _        | _        |          |          | <b>  </b> |          |               |
| 40   90   140     41   91   141     42   92   142     43   93   143     44   94   1144     45   95   745     46   96   746     47   97   147     48   99   148     49   99   149  |          | Н             | -   | -                           | _                           | +-         | $\vdash$   |                  | ┼                                      | $\vdash$      |              | -              |               |          | 1        | -  | _        |           | _             | +               |                | .      | _             |                |                | _        |          |          |          |          | Ш         | _        | ⊢             |
| 41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |          | Н             |     |                             | +                           | -          |  |                  | 4_                                     |               |              | -              |               | _        | <u> </u> |  | _        | _         | _             | 4               |                | 1 1    |               | 139            | $\perp$        |          |          |          |          |          |           | _        | <u> </u>      |
| 42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |          |               | -   |                             |                             |            |  |                  |  |               |              | _              |               |          |          |  | _        |           |               | $\perp$         |                | ] [    |               | 40             |                |          |          |          |          |          | i         |          | !             |
| 43  |          |               | 41  |                             |                             |            |  |                  | 1                                      |               |              | ١.             | 91            |          | 1        |  | -        |           |               |                 |                | 1      |               | 141            |                |          |          |          |          |          |           |          | ĺ             |
| 43  |          |               |     |                             |                             | 1          |  | 7                | Т                                      |               |              |                | 92            |          | T        |  |          | $\neg$    | $\exists$     | 1               |                | 1      |               | 142            | $\sqcap$       |          |          |          |          |          | $\Box$    |          |               |
| 44 94   45 95   46 96   47 97   48 98   49 99   |          | 1             | 43  |                             | 1                           |            |  |                  | 1                                      | $\Box$        | _            |                | 93            | $\top$   | 1        | П  | $\neg$   | $\neg$    | $\top$        | 1               | 1              | 1      |               |                |                | _        | _        |          |          |          |           |          | Г             |
| 45  |          |               | 44  |                             | $\top$                      | $\top$     | $\vdash$   |                  | 1                                      | $\sqcap$      | _            |                |               |          | +-       | Н  | $\neg$   |           | $\dashv$      | +               |                | 1      | -             | <del>i</del> - |                |          | H        | _        |          |          |           |          | _             |
| 46  |          | H             |     | 1                           | <del>-</del> j-             | +          |  | <del>-i-</del> - | +                                      | H             | <del> </del> | $\vdash$       | ·             |          | i—       | -  |          |           | +             | -               | <del>-i-</del> | 1      |               |                | -              |          |          | -        | -        |          | $\vdash$  |          |               |
| 47 97   48 98   49 99   | `        |               |     | +                           |                             | +          |  | <del>- -</del>   | +-                                     | $\vdash$      | $\dashv$     | -              |               |          | +        | -  |          | -         | -             | +               |                | 1 1    |               |                | -              |          |          |          |          |          | -         | $\dashv$ | $\vdash$      |
| 48 .98 .148   49 .99 .149   |          | $\rightarrow$ |     | $\vdash$                    | <del>- -</del>              | ÷          |  |                  | +                                      | H             |              | -              |               | - -      | ╁        | <del>                                     </del> | -+       |           | +             | +               |                | 1 1    |               |                | $\vdash\vdash$ | $\dashv$ |          |          |          |          |           | ᅥ        | $\vdash$      |
| 49 99 1149  |          | (7 i          | i   | -                           | +                           | +          |  |                  | -                                      | <del>  </del> | -            |                |               | +        | ┼—       | $\vdash$   |          |           |               | -               |                |        |               |                | +-i            |          | ;        |          |          | $\vdash$ | $\dashv$  |          | $\vdash$      |
|   |          |               |     | -                           |                             | +-         | <del>-                                    </del> |                  | -                                      |               |              |                |               | _;       | +        |  |          | -         | <u>-</u> - -  | <del>-</del> i- | <u></u>        | -      |               |                | -              | !        |          |          |          |          |           | _!       | -             |
| 150 1 150   |          |               |     |                             |                             | +-         |  |                  | +                                      |               | !            |                |               |          | -        |  |          |           | _             | +               |                |        |               |                |                |          |          |          |          |          |           |          | -             |
|   |          |               | 30  |                             |                             |            | · ·  |                  | <u></u>                                | <u> </u>      | نـــ         |                | 100           | !        | <u>'</u> | <u> </u>   | :        |           | <u> </u>      | !               |                | : !    |               | 50             | 1 1            | !        | <u> </u> |          |          |          | !         | _!       | <u></u>       |

If more than 150 claims or 10 actions staple additional sheet here